

AMENDMENTS TO THE ABSTRACT

~~A secret~~Secret file access authorization system with fingerprint limitation includes an authorization module, ~~an~~ encryption module and ~~a~~ certification module in ~~the~~ a server linked by ~~the~~ programs; and ~~at~~ . A user module of least one client machine, ~~each is~~ provided with ~~a user module that~~ contains a kernel encryption/decryption unit embedded in the client operation system kernel, and ~~thus it can be realized that the~~ so access authorization to ~~the~~ secure files is ~~can be~~ limited by environment fingerprint or time fingerprint. Therein the authorization module provides ~~the~~ an authorization secret key (ASK) and ~~the~~ fingerprint template; ~~the~~ . The encryption module accepts the input of ~~the~~ authorization secret key ASK and the secret files to be encrypted, and provides ~~the~~ a decryption secret key; ~~the~~ (DSK). The user module accepts the ~~authorization secret~~ key ASK and the encrypted secret files, and presents a claim for the ~~authorization secret~~ key ASK certification to the certification module; ~~the~~ . The certification module accepts the ~~decryption secret key~~ DSK and the ~~authorization secret key certification claim as well as~~ and the fingerprint template, and provides the certified ~~decryption secret key~~ DSK for the user module, ~~so as to start up the~~ kernel encryption/decryption unit in the user module, and achieve the reading and writing of the encrypted files.